

Part II to January 1979 SMPTE Journal

SMPTE Journal

Index to Volume 87 January — December 1978

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Inter-Society Color Council, Judd Memorial Conference on Color Metrics, 527, Aug.
NAEB Convention, 712, Oct.
National Audio-Visual Association Convention 1979, 468, July; 712, Oct.
New York Cable Television Technical 4th Annual Technical Seminar, 104, Feb.
Optical Science and Engineering, short course, 712, Oct.
Optical Society of America, annual meeting, 401, June
Photokina, 54, Jan.
Professional Motion Picture Equipment Association, annual symposium, 250, Apr.
Sci/Com 78, American Science Film Association Symposium, 622, Sept.; 712, Oct.
SMPTE Chicago Section All-Day Tutorial Session, 104, Feb.
SMPTE Chicago Section Midwinter Symposium/Chairman's Reception, 712, Oct.
Society of Photographic Scientists and Engineers, International Congress of Photographic Science, 401, June
——, International Symposium on Advances in Polymer Systems, 401, June
——, Seminar on Chemical and Effluent Management in Photographic Laboratories, 468, July
——, Symposium on Optical Data, 780, Nov.
Society of Photo-Optical Instrumentation Engineers, 22nd International Symposium, 250, Apr.
SPIE Technical Symposium East, 104, Feb.
13th International Congress on High-Speed Photography and Photonics, 250, Apr.
13th UNIAETEC Congress, 401, June
Toronto Super-8 Film Festival, 54, Jan.
USC-Universal Studios 12th Annual Summer Cinema Program, 401, June
USC extension, Course on Detection of Infrared Radiation, 468, July
Video Programming Workshop, 622, Sept.
World Film Festival, Montreal, 250, Apr.

GENERAL

New Copyright Law, 596, Sept.

HOLOGRAPHY

Digital data, use of to generate video backgrounds, *Leonard*, 499-504, Aug.
Holographic process for color motion-picture preservation, *th*, 832-834, Dec.

INDUSTRY NEWS & EDUCATIONAL ACTIVITIES

BUSINESS AND INDUSTRIAL

ADDA Corp. appoints Wiltronix, Inc., representative, 542, Aug.
A&G Concepts acquired by Vidtronics, 261, Apr.
Agfa-Gevaert, new marketing, training, demonstration center, 542, Aug.
Ampex Corp. acquires Duca-Richardson Corp., 542, Aug.
——, expands Opelika, Ala., magnetic tape manufacturing facility, 261, Apr.
——, N.V. Philips cooperation in I-in helical recorders and ENG/EFP cameras, 408, June
Arriflex Company of America acquired by Arriflex Corp., 408, June
Aston Electronic Developments Ltd., England, Unitel, France, agreement, joint, development dual standard Teletext equipment, 408, June
Auscom Associates, new audio-video systems engineering firm, 408, June
Bell & Howell, Memorex Corp., joint venture, 718, Oct.
Capron Lighting and Sound, new office, 261, Apr.
Chrysler Corp., Video Marketing Communications network, 542, Aug.
Chyron Corp. appoints Television Equipment Associates dealer, 646, Sept.
——, forms Video Products Div., 118, Feb.
Cine/Com Services Inc., new corporation, 339, May
Cinema Products, Garrett Brown, Academy Award for Steadicam, 339, May
dbx, Inc., two appointments, 478, July
DeLuxe General, program to license "Color by DeLuxe," 174, Mar.
Dytek Industries acquires Vamco Engineering, 408, June
Eastman Kodak Co., Ektachrome video news films, alternate processing method, 646, Sept.
——, new appointments, 784, Nov.
——, new marketing, distribution center, 716, Oct.
Fuji Photo Film U.S.A. expands Dallas Regional Distribution Center, 64, Jan.
——, price increase on videotape products, 784, Nov.
Dick Girvin Productions, Inc., acquires Sonart DB Studios, 783, Nov.
Alan Gordon Enterprises sold to three of the company's executives, 116, Feb.
GTE Sylvania, Electronic Components Group develops Integral Surge Limiter, 64, Jan.
——, television sets of the future, 542, Aug.
Gulton Industries acquires Technical Audio Products Corp., 783, Nov.
Image Transform, Inc., Mach One editing system, 846, Dec.
——, Service Center established in Korea, 720, Oct.
——, World Cup Soccer transferred to film, 783, Nov.
Infonics, film cataloging service, 540, Aug.
Innovative Television Equipment, relocated, larger facilities, 410, June
Leader Instrument Corp. expands West Coast facilities, 116, Feb.
Magnasync/Moviola Corp. realign film editing and studio recording marketing department, 783, Nov.
Marconi Communication Systems Ltd., appointed distributor for Orrox Corp.'s CMX videotape editing systems, 116, Feb.
Marconi Instruments Ltd., television monitoring equipment, Moscow, 1980 Olympic Games, 260, Apr.

MCA DiscoVision, new plant, 339, May
Media Equipment Center, Memphis, purchased by William M. O'Rork, 478, July
Memorex Corp., new service, 542, Aug.
Metro-Goldwyn-Mayer, new building, 646, Sept.
Modern Talking Picture Service forms Modern Cinema 35, 783, Nov.
——, joint venture with Modern Telecommunications, 118, Feb.
New Jersey, growing motion-picture industry, 716, Oct.
NYC TV station to move to World Trade Center, 626, Sept.
Orrox and Vidtronics agreement to jointly manufacture and market Videola, 478, July
Philips Audio Video Systems Corp., opens new West Coast office, 261, Apr.
PRC of America acquires General Rayfin of New York, 542, Aug.
Pro-Bel Ltd., new firm, 64, Jan.
QSI Systems, Inc., Q-Code, new time code, 64, Jan.
RCA American Communications, Inc., and Fanfare Television Group, agreement, 646, Sept.
——, plans to shift cable TV traffic to RCA Satcom I satellite, 261, Apr.
——, satellite networking services, 783, Nov.
RCA Broadcast Systems to market Sony Corp.'s I-in helical-scan videotape recorders, 118, Feb.
RCA Global Communications to donate undeveloped land, 846, Dec.
RCA's top technical honors to 16 scientists and engineers, 650, Sept.
SEE/EIR, France, installs Datatron Tempo Editing System at Paris facility, 542, Aug.
Sony Broadcast B.V., Netherlands, subsidiary, 176, Mar.
Sony Corp. of America, parts center, Kansas City, Mo., 544, Aug.
——, telephone Hot Line, 718, Oct.
——, three new marketing companies, 339, May
Sylvania CATV Equipment & Installation Operation, new headquarters, 542, Aug.
Technicolor S.p.A. in Rome reduces staff, 718, Oct.
TelCon, new offices, 783, Nov.
Teletronics International changes name to Video Corp. of America, 261, Apr.
Teletronics, new service, 718, Oct.
Thorn Lighting Inc., appoints Capron Lighting Co. distributor, 784, Nov.
TV-R, Inc., post-production facility, larger quarters, 783, Nov.
UA-Columbia Cablevision, Inc. increases satellite TV services from RCA American Communications, 540, Aug.
Variable Speech Control Co., speech compressor/expander, distributors in Japan, 260, Apr.
Video Automation Systems Inc. completes video system for New York State Assembly, 540, Aug.
Videocopy, new company, 261, Apr.
Vigm Corp. of American plans phase-out of Video City operations in North Miami, Fla., 718, Oct.
Video Craftsmen, new firm, 261, Apr.
Video One, Inc., offers portable I-in television production services, 478, July
Yoder, Gordon, closes film equipment sales and rental business in Dallas, 478, July

EDUCATIONAL ACTIVITIES — including film festivals, etc.

Eastman Kodak Co. wins Business in the Arts Award, 716, Oct.
Genesis Systems, Inc., microprocessors, seminars, courses on videotape, 260, Apr.
Harrow College of Technology and Art, England, course on Applied Photography Film and Television, 474, July
Institute for Visual Communications, Ohio University, academic program, 644, Sept.
Lewin, Frank, *Variations of Greek Themes*, world premiere, 116, Feb.
Frank M. McGeary Memorial Scholarship, 716, Oct.
MGM film library housed in new building, 174, Mar.

Museum of Modern Art, national student cinema competition, 259, Apr.
 Nebraska Center for Continuing Education, Symposium on Research and Utilization of Educational Materials for Teaching the Deaf, 474, July
 New York University, seminar, Effective Communication for Engineers, 538, Aug.
 O'Connor Engineering Labs recalls Model 30 fluid camera heads, 474, July
 SMPTE Scholarship awards, 644, Sept.
 Sony Corp. of America, Video Production Workshops, 406, June
 Synergetic Audio Concepts, graduate symposium, 646, Sept.
 Television Studio School of New York, new quarters, 716, Oct.
 UCLA, course in Geometric Optics, 478, July
 USC, intensive course on work of National Film Board of Canada, 408, June
 ———, National Ad Hoc Forum, Film, Video Schools, 783, Nov.
 ———, scholarship fund, 716, Oct.

PEOPLE

August Arnold celebrates 80th birthday, 846, Dec.
 Baker, Blaine, elected President of Motion Picture Laboratories following death of Frank M. McGeary, 544, Aug.
 Baptista, John L., appointment, 725, Oct.
 Berg, Wolfgang, honorary member SPSE, 646, Sept.
 Berry, Garrett R., appointment, 784, Nov.
 Brewer, Eddie G. A., appointment, 650, Sept.
 Brill, Gerow, appointment, 650, Sept.
 Brown, Garrett, Bert Easy Technical Award, 339, May
 Cadzow, Chris, appointment, 544, Aug.
 Calaway, Jack, appointment, 410, June
 Caluger, Wayne, appointment, 176, Mar.
 Caput, Lee J., appointment, 720, Oct.
 Castriagnano, Robert A., appointment, 783, Nov.
 Cherry, Professor Colin, Imperial College of Science and Technology, London, recipient Fourth Marconi International Fellowship, 472, July
 Chiu, Donald, wins Ampex's Alexander M. Pontiatoff Award, 720, Oct.
 Comandini, Pete, appointment, 64, Jan.
 Dale, John, appointment, 410, June
 Davis, Donald and Carolyn, receive Achievement Award, Upper Midwest Acoustical Society of America, 784, Nov.
 Davis, Sterling E., appointment, 410, June
 Dickenson, William A., EIA Engineering Award of Excellence, 339, May
 Dunn, Linwood, new President, American Society of Cinematographers, 339, May
 Ebbetts, Rex, President, BKSTS, 544, Aug.
 Edney, Brian, appointment, 725, Oct.
 Elle, Bruce L., appointment, 478, July
 Fink, William A., appointment, 846, Dec.
 Goldberg, Abraham A., 783, Nov.
 Guisinger, Barrett E., appointment, 410, June
 Hanson, Wesley T., 1977 Cultural Prize of the German Photographic Society, 64, Jan.
 Holder, Carl L., appointment, 176, Mar.
 Humphrey, John H., appointment, 650, Sept.
 Jaeger, Paul, teaching in NYU School of Film and Television, 846, Dec.
 Jamison, Walter C., appointment, 176, Mar.
 Saul Jeffee, special award, 646, Sept.
 Kaiser, Arthur, appointment, 783, Nov.
 Karr, Larry, appointment, 720, Oct.
 Kay, Melvin, appointment, 339, May
 Korodi, Milos B., appointment, 650, Sept.
 Kramer, Joseph H., appointment, 650, Sept.
 LaBate, Nicholas J., appointment, 718, Oct.
 LaZare, Howard, appointment, 725, Oct.
 Lemoine, Maurice, wins Ampex's Alexander M. Pontiatoff Award, 720, Oct.
 Lind, Anthony H., appointment, 720, Oct.
 Lippman, David M., appointment, 650, Sept.
 Lloyd, Hilary, appointment, USC, 478, July
 Lundy, Roger, appointment, 64, Jan.
 Luther, Arch C., appointment, 718, Oct.
 Maguire, Edward B., appointment, 410, June
 Mason, Kenneth M., guest speaker, Rochester Institute of Technology, 339, May
 Melchionni, Bruno F., appointment, 650, Sept.

Miller, Francis W., appointment, 176, Mar.
 Moore, J. Kenneth, appointment, 720, Oct.
 Mutitt, William A., appointment, 650, Sept.
 Orr, William H., named Chairman of the Board of Orrox Corp., 784, Nov.
 Pincu, Thomas L., appointment, 544, Aug.
 Plummer, Robert H., appointment, 176, Mar.
 Press, Frank, guest speaker, Washington Group National Association of Science Writers, 538, Aug.
 Roth, Wilhelm, made honorary member of Fernseh- und Kinotechnische Gesellschaft, 176, Mar.
 Scobey, Fred, named President, DeLuxe Laboratories, 410, June
 Sirinsky, Richard, appointment, 339, May
 Smith, Robert R., appointment, 720, Oct.
 SMPTE Executive Director to retire, 716, Oct.; 783, Nov.
 Spruill, Dudley, Executive Secretary, Association of Cinema & Video Laboratories, 339, May
 Stern, David M., appointment, 725, Oct.
 Stone, Burton, named President, DeLuxe General, Inc., 410, June
 Troutner, C. Ray, retires from Eastman Kodak Co., 784, Nov.
 Vandervort, DeVere L., appointment, 650, Sept.
 Wicinski, Edward T., appointment, 725, Oct.
 Wortman, Leon A., appointment, 720, Oct.
 Irwin Young, Chairman, Robert M. Smith, Executive Vice-President, Du Art Film Laboratories, recipients of Certificate of Commendation, Local 644, International Photographers of the Motion Picture Industry, 544, Aug.

PROFESSIONAL AND SCIENTIFIC ORGANIZATIONS — including conferences, awards, etc.

Aeroballistic Range Association, 406, June
 American Film Institute/Arts Endowment Film Archival Program, grants, 538, Aug.
 American Soc. of Cinematography honors Thomas E. Tutwiler and Sidney Hickox, 339, May
 American Society of Cinematographers honors three long-term members, 544, Aug.
 American Society of Safety Engineers criticizes Barlow Decision of U.S. Supreme Court, 538, Aug.
 Association for Multi-Image, establishes Archives and Clearinghouse, 846, Dec.
 AV Practice 78, DIB convention, 339, May
 BKSTS Fellows Awards, 472, July
 California Institute of Research Foundation grants Syn-Aud-Com license to practice time-delay spectrometry, 538, Aug.
 Canadian Film and Television Association elects new officers, 339, May
 ———, new policies, programs, 716, Oct.
 CINE announces two award-winning films, 644, Sept.
 ——— announces U.S. amateur films prizes, 716, Oct.
 ——— awards Golden Eagle Certificates to U.S. filmmakers, 538, Aug.
 ———, new officers, 474, July
 Franklin Institute honors 8 scientists, 116, Feb.
 International Telecommunication Union, Rural Telecommunications, seminar in Delhi, 846, Dec.
 ———, World Administrative Radio Conference, 1979, 538, Aug.
 National Audio-Visual Association induces U.S. Postal service to machine small film cases, 408, June
 Optical Soc. of America announces award winners, 259, Apr.
 Geoffrey Parr Award to Rank Cintel's Mark 3 telecine, 540, Aug.
 Photokina, 646, Sept.
 Max Planck Institute, Laser Research Group, 62, Jan.
 Professional Motion Picture Equipment Assn., establishes central headquarters, 260, Apr.
 Eduard Rhein prize, nominations, 474, July
 Royal Television Society News Awards Committee, extends award competition, 846, Dec.
 SMPTE Student Chapter Activities, 174, Mar.
 SMPTE/SPSE Student Chapter, RIT, begins academic year, 644, Sept.

PUBLICATIONS: FILMS

Broadcast Communications, new professional magazine, 784, Nov.
 Hope Reports Quarterly, analysis of export, import audiovisual products, 174, Mar.
 Hope Reports, study, CCTV for surveillance, 62, Jan.
 International Resource Development, Inc., report, Integrated Video Terminal, 783, Nov.
 International Television Association, Annual Salary Survey, 716, Oct.
 Iowa State University, American Archives of Factual Film, 62, Jan.
 National Film Board of Canada, official film, Commonwealth Games, 62, Jan.
 A. C. Nielson's Television Audience 1977 annual report, 478, July
 Oscar's First Fifty Years, motion picture on Academy of Motion Picture Arts and Sciences, 408, June
 Recommendations on Uniform Color Spaces, CIE Publication No. 15, 846, Dec.
 The Engineer at Mid-Career published by IEEE, 846, Dec.

SCIENTIFIC AND TECHNICAL DEVELOPMENTS

Amperex Electronic Corp., television camera tube, 116, Feb.
 CBS, DISComputer, 259, Apr.
 ———, Sports coverage of Super Bowl, Electronic Palette; Action Track, 260, Apr.
 DeLuxe Laboratories, ion-exchange technique, 406, June
 Digital Noise Reduction System (DNR), patent granted J. Kenneth Moore, Arthur Kaiser and William E. Glenn, 118, Feb.
 GTE, research in flat panel displays, 716, Oct.
 Laser and Music Image Concert, Image Transform Inc., 783, Nov.
 Marconi Communications Systems Ltd., develops Marconite, 260, Apr.
 Old motion pictures, preserving color, laser technique, Charles S. Ih, 406, June
 Pace Water Recycling System, 718, Oct.
 Philips and MCA, Inc., development of optical videodisc, 64, Jan.
 Promo, pay-TV scrambling system, 716, Oct.
 RCA American Communications, earth station, 118, Feb.
 RCA Corp. introduces fiber optics data link, 261, Apr.
 Sony Tokyo, small CCD color video camera, 408, June
 ViewData, British Post Office Telecommunications, 118, Feb.

INTERNATIONAL COMMUNICATION

Audiovisual programs, UN conference on human settlements, Copley and Graham, 218-221, Apr.

LABORATORY PRACTICE

Environmental Protection

Ferricyanide bleach regeneration, simplified electrolytic method for, Kleppe and Nash, 233-235, Apr.
 Waste treatment requirements, bleach system, for color positive, negative film reduces, Dupree, 84-88, Feb.

General

SMPTE Recommended Practice, Proposed, RP 23, Reinforcement of 70mm positive splices, 838, 841, Dec.

Printing

ANSI, Draft, PH22.153, Dimensions of Printed Area on 16mm Motion-Picture Film Perforated 8mm Type S (Super 8) (1.4), 598, 599, Sept.
 Color attenuation system for motion-picture printing, Lewis, 688-691, Oct.
 Color print film process, efficiency, improvements, Seys, 436-441, July
 Edge numbering, motion-picture film including polyester, ultraviolet-cured inks, Anderson and Hukanson, 749-752, Nov.

Flashing, Eastman Ektachrome video news film for intercutting with Eastman Ektachrome commercial film 7252, *Doody, Lawton and Perry*, 373-375, June
ISO 4241-1978 (E), Leaders and Run-Out Trailers for 35mm and 16mm Release Prints — Specifications, 516, 521-522, Aug.

Processing

Color print film process, efficiency, improvements, *Seys*, 436-441, July
High-speed machine for film processing, using a helix-eliminating angle drive system, *Galvin*, 691-693, Oct.

LENSES (See OPTICS)

LIGHTING

Ad Hoc Group under SMPTE Standards Committee to study lighting-equipment accessories, 771, Nov.
Compound-reflector framing spotlight, optimizing, *Labrum*, 694-699, Oct.

MAGNETIC RECORDING TAPE

ANSI, C98.1-1978, Dimensions of 2-in Video Magnetic Recording Tape, 459, 460, July
SMPTE Recommended Practice, Proposed, RP 36, Positioning the Headwheel and Adjacent Tape for 2-in Quadruplex Video Magnetic Tape Recorders, 393, 395, June
SMPTE Recommended Practice, Proposed, RP 89, Dual-Program Audio for 2-in Quadruplex Video Magnetic Tape Recording at 15 and 7.5 in/s, 393, 396, June

MICROPROCESSORS

Television transmission systems, automatic, *Zborowski*, 383-385, June
Videotape editing systems using microprocessors, *Hamalainen*, 379-382, June

NEW PRODUCTS AND DEVELOPMENTS

(Arranged by **Company**; see also listing by **Subject** below)

Acmade International, automatic film rewind table, Mark III, 809, Nov.
ADDA Corp., Frame Synchronizer, Model VW-1, 422, June
Adwar Video Corp., Color Hip Switcher II, 423, June
———, Titler-Keyer, Model TK-1, 423, June
Allen Avionics, L-C delay line, 864, Dec.
———, L-C filters, 552, Aug.
Allen Products Co., Ultima line of film processors, 481, July
Altec Corp., audio time delay systems, 367, May
American Laser Systems, remote control system, Model 748, 852-855, Dec.
———, television transmission set, 662, Sept.
Amperex Electronic Corp., new 1-in Plumbicon, 548, Aug.
Ampex Corp., color broadcast camera, BCC-14, 798, Nov.
———, digital time-base corrector, TBC-2, 734, Oct.
———, digital video recording system, 424, June
———, Duca-Richardson production switcher, PAL version, 862, Dec.
———, VPR-2 helical videotape recorders, 732, Oct.
Angenieux Corp. of America, zoom lens, variable prime, 796, Nov.
Arri Corp., Finder Extender for Arri 16SR, 416, June
———, 12-V/dc servo zoom drive motor, 742, Oct.
———, video coupling, video monitoring device for Arriflex 16SR, 416, June
Atlas Sound, mobile studio boom, SB-100W, 555, Aug.
———, Porta-Series microphone floor stands, 740, Oct.

Audio Developments International, Dual Channel Automatic Graphic Equalizer, 368, May
Avitel Electronics Ltd., video distribution amplifier, 864, Dec.
Barco Electronic, 14-in color monitor, CTVM2 series, 662, Sept.
Bell & Howell • Mamiya Co., Beaulieu 708 super-8 projector, 484, July
———, Filmosonic super-8 magnetic sound projectors, 557, Aug.
———, super-8 camera, low-light, magnetic sound, 554, Aug.
———, super-8 camera, 2144XL, 553, Aug.
———, super-8 silent camera, Model 2146XL, 196, Mar.
———, super-8 silent movie projector, Lumina II, Model QX95, 200, Mar.
———, two super-8 silent cameras, 2123XL and 2103XL, 196, Mar.
Berkey Colortran Inc., 4000-W Softlite, 868, Dec.
Berkey Colortran UK, multipurpose luminaire, 422, June
Charles Beseler Co., Vu-Graph II overhead projector, 124, Feb.
Birns & Sawyer, Inc., stopwatch, 669, Sept.
Bogen Division/Lear Siegler, Inc., TCA-150, Tech-Craft Mixer/Power amplifier, 485, July
Robert Bosch, television monitors, 190, Mar.
———, two-camera OB van, 194, Mar.
Braun North America, Agfachrome super-8 film, 192, Mar.
Carter Equipment Co., frame-count cueing system, 809, Nov.
———, printer-control tape-punching system, Model CE-CTPS-4, 809, Nov.
———, printer-control tape readers, 425, June
Casio, pocket-size scientific calculators, 426, June
CCA Electronics Corp., Constellation series audio console, 664, Sept.
Century Precision Cine/Optics, Tele-Athenar II lenses, 548, Aug.
Channellmatic, Inc., Teldav 400 video distribution amplifier, 194, Mar.
Chartwell Electro-Acoustics Ltd., monitor loudspeaker, PM450, 198, Mar.
Chemtronics Inc., Vibra-Jet, 266, Apr.
Christie Electric Corp., Projector-Protector film cleaner, 485, July
Chyron Telesystems, graphics and titling system, 661, Sept.
———, videocassette cleaner and evaluator, Model U-1, 265, Apr.
Cinema Products Corp., conversion kit for Steadicam, 263, Apr.
———, CP-16R, CP-16R/A reflex cameras, new generation, 855-858, Dec.
———, ENG/EFP camera, MNC-71CP, 190, Mar.
———, GSMO 16mm mini-camera, 263, Apr.
———, Steadicam/Arri 35B1 modification package, 263, Apr.
———, ultra-high speed prime lenses for 16mm, 548, Aug.
Cohu, Inc., color television camera system, Model 1420, 848, Dec.
———, Isocon television camera system, low light levels, 800, Nov.
———, low-light, single-tube color Isocon camera system, 848, Dec.
———, television camera for unattended operation, 848, Dec.
———, video cable equalizer, 9800 series, 664, Sept.
Colorado Video, Inc., compressed video system, 552, Aug.
———, video expander, Model 275, 660, Sept.
———, video frame store, Model 274, 806, Nov.
Comprehensive Video Supply Corp., crimp connector kits, 808, Nov.
———, shot-gun microphone, SGM-2, 557, Aug.
———, video cabling accessories, 865, Dec.
Consolidated Video Systems, digital time-base corrector, CVS-516, 68, Jan.
———, EPIC editor, 732, Oct.
———, Image Enhancer/Noise Reducer, 862, Dec.
Continental Camera Systems, Body Mount, handheld camera stabilization system, 194, Mar.
———, Nose Cone Camera Position, 416, June

———, Pitching Lens, relay lens, 196, Mar.
———, P.O.V. 35 mm Helmet Camera, 192, Mar.
Continental Specialties Corp., Design Mate-2 waveform function generator, 738, Oct.
———, digital logic probe, Model LP-1, 864-865, Dec.
———, 50-500 counter, 664, Sept.
———, Logic Monitor, model LM-1, 669, Sept.
———, Max-100 frequency counter, 369, May
Convergence Corp., AVS-100 Audio Video Switcher, 808, Nov.
———, CL-100 Cut/Lap Transition Programmer, 660, Sept.
———, ECS-100 Superstick Editing Control Systems, 482, July
———, Joystick Editing Control System, 418, June
———, time-code reader system, TCR-100, 804, Nov.
———, TT-100 dual digital tape timer, 807, Nov.
dbx, Inc., add-on tape noise reduction system, 124, Feb.
Derek, Inc., Electro-Lite silver recovery system, 425, June
Digital Video Systems, DPS-1 all-digital video processing system, 362, May
D.O. Industries, Navitar slide projection lenses, 745, Oct.
———, Navitar zoom lens, 865-866, Dec.
———, zoom lens for slide projectors, 808, Nov.
Drexler Technology Corp., laser recording material, 864, Dec.
Victor Duncan, Inc., Arriflex 16-SR combined with Nagra SNN, 122, Feb.
Dynair Electronics, Inc., audio and video switch modules, 364, May
———, color sync generator, Model SY-5990A, 192, Mar.
Dynascience, program switcher, model 7400/A, 68, Jan.
———, routing switchers, 8500 series, 424, June
———, video distribution amplifiers, 423, June
———, video enhancer, 802, Nov.
Eastman Kodak Co., microfilm products, 126, Feb.
Echo Science Corp., slow-motion machine, SLO/MO-1, 68, Jan.
Eckel Industries, Inc., Portable An-Eck-Oic Chambers, 484, July
Edcor, amplifier for driving headphones, AP-10, 665, Sept.
———, Calrec Sound Field Microphone, 483, July
———, wireless microphone receiver, ST-3B, 665, Sept.
———, wireless microphone transmitter/receiver, 123, Feb.
EECO, MTG 550 series time-code generators, 660, Sept.
Ehrenreich Photo-Optical Industries, Bolex sound mixing console, 368, May
———, Bolex 5122 super-8 sound camera, 122, Feb.
———, Bolex 625-XL super-8 silent camera, 196, Mar.
———, tripod with fluid head, 808, Nov.
Eico Electronic Instrument Co., multimeters, 668, Sept.
Eigen Video, Chroma III color signal system for slow-motion disc recorders, 660, Sept.
———, color disc recorder, Model 15, 66, Jan.
Electro-Voice, Inc., System C microphone system, 124, Feb.
Eprad, Inc., Galaxy stereo-optical sound system package, 804, Nov.
Eumig, super-8 sound projectors, 666, Sept.
Eventide Clockworks, Inc., microprocessor-controlled remote control card, 555, Aug.
Farinon Electric, single-channel microwave receiver, 483, July
Yves Faroudja Inc., YFI comb filter separator, 807, Nov.
———, YFI record booster, 862, Dec.
Flann Microwave Instruments Ltd., microwave signal generators, 68, Jan.
Fotomatic Corp., monocular type light meter, 204, Mar.
Frezzolini Electronics Inc., battery sequencer, 486, July

- , Frezzi Belt battery pack, Model F 12-77, 554, Aug.; 742, Oct.
- , Model BC-77 rapid charger for Frezzi-Belt battery packs, 264, Apr.
- Fuji Photo Film U.S.A., Beridox tape, 68, Jan.
- , 8mm camera, Fujica P-2, 866, Dec.
- General Electric, Multi-Mirror 50-h EJL projector lamp, 669, Sept.
- Alan Gordon Enterprises, Director's Viewfinder 10:1 zoom, 416, June
- Gray Engineering Laboratories, reader-character unit, Model DR-115, 732, Oct.
- Grinnel Systems Corp., graphic television display, GMR-27, 66, Jan.
- Hammond Industries, Inc., audio frequency response analyzer, RA200&ADSI, 666, Sept.
- , two microphones, 740, Oct.
- Harris Corp., audio processor, MSP-100, 665, Sept.
- , color television camera, TC-50, 548, Aug.
- , CPV circularly polarized television antenna, 734, Oct.
- , modular mono/stereo audio console, 420, June
- Karl Heitz, Angenieux 15 x 6 to 90mm zoom lenses, 70, Jan.
- , Pathé Report electronic cameras, 69, Jan.
- Hewlett-Packard, counter-timer, 865, Dec.
- , CRT display module, Model 1340A, 483, July
- , Delta Time Oscilloscope, Model 1742A, 808, Nov.
- , digital multimeter, Model 3466A, 123, Feb.
- , handheld calculators, series E, 668, Sept.
- , microwave frequency counter, Model 5342A, 265, Apr.
- , option H10 to extend frequency range for Model 5342A microwave frequency counter, 664, Sept.
- , oscillator, Model 339A distortion measuring set, 200, Mar.
- , RF sweeper plug-ins, 265, Apr.
- , spectrum analyzer, Model 3582A, 736, Oct.
- Houston Fearless, Colormaster film processors, advanced, 798, Nov.
- Image Devices Inc., IDI Data Slate I, 742, Oct.
- Innovative Television Equipment, pedestal for studio, ENG cameras, 658, Sept.
- , tripod for ENG cameras, 744, Oct.
- Inovonics, Inc., acoustic analyzer, Model 500, 266, Apr.
- Instrumentation Marketing Corp., Photo-Sonics Model 80 automatic film reader, 122, Feb.
- Ivie Electronics, handheld audio analysis system, 202, Mar.
- JVC Industries, Inc., electronic video editing recorder, CR-8500LU, 659, Sept.
- , Vidstar VHS video home system, 192, Mar.
- Kalart Victor Corp., 16mm projectors, 418, June
- Kay Industries Inc., Phasemaster rotary phase converter, 426, June
- Ken-Lab, Inc., Gyro Stabilizer systems, 122, Feb.
- Kinetronics Corp., liquid application film cleaning machine, LC-500, 556, Aug.
- KLM Associates, Inc., electronic counter, 557, Aug.
- , Oldelft electronic counter, 804, Nov.
- , Optical Crown system, 804, Nov.
- La Vezzi Machine Works, Inc., VKF (Very Kind to Film) sprockets, 867-868, Dec.
- , Posi-Trol positive control sprockets, 742, Oct.
- Leader Instruments Corp., oscilloscope, LBO-507, 265, Apr.
- Lenco, Inc., color bar generator, 860, Dec.
- , monochrome video monitors, 862, Dec.
- , video noise meter, Model VNM-428, 800, Nov.
- Listec Television Equipment Corp., Telecue Monitor Prompting System, 420, June
- , Vinten TriTrack tracking base, 800, Nov.
- Lowel-Light Mfg., Inc., Omni-Light, 554, Aug.
- LTM Corp. of America, Reporter Lighting Kit, 554, Aug.
- Magnasync/Moviola Corp., insert recorder/reproducer, Series 3000, 555, Aug.
- , magnetic sound film recorders, reproducers, 800, Nov.
- Marconi Electronics, Mark IX color television camera, 656, Sept.
- Marconi Instruments, AM/FM signal source, 662, Sept.
- , computer interface model SA1142, 420, June
- Marconi Instruments Ltd., spectrum analyzer, 666, Sept.
- Matsushita Electric, VISC home videodisc player system, 190, Mar.
- Matthey Printed Products Ltd., Automatic Video Equaliser 2504N, 730, Oct.
- , unified noise weighting filter, 424, June
- Media Concepts, JVC Vidstar VHS 1/2-in videocassette system, 552, Aug.
- Memorex Corp., MRN-716 1-in videotape, 659, Sept.
- , videocassette, the Q2HD, 424, June
- Miami Flock Equipment Co., projection television kit, Model Q-12, 484, July
- Microtime, Inc., 2020 Plus Total Signal Corrector, 264, Apr.
- Miller Professional Equipment, tripod spreader, 658, Sept.
- MM Editing Systems, Inc., Bogen magnetic heads, 200, Mar.
- Muirhead Inc., M-136 electrostatic facsimile receiver, 202, Mar.
- NEC America, FS-15 FE device to eliminate expanded blanking, 855, Dec.
- , television transmitter, 663, Sept.
- Neilson-Hordell Ltd., animation camera, 858, Dec.
- , Moviecam, 796, Nov.
- Neumade Products Corp., Neutaper film splicer, 204, Mar.
- , Neuvator II, 16mm film cleaner, 71, Jan.
- Neve Electronics International Ltd., multitrack audio recording consoles, 740, Oct.
- Oktel Corp., broadcast videodisc recorders, 418, June
- Opamp Labs Inc., 10 x 10 matrix, 740, Oct.
- Optical Radiation Corp., C.A.T. (complete automated theater), 367, May
- , xenon slide projection system with FM module, 667, Sept.
- Orrox Corp., Magamite, tip material, 807, Nov.
- Otari Corp., audio recorder, Model MX-5050-B, 740, Oct.
- P.A.G. Films Ltd., Mini-Rack, 16mm magnetic film audio recorder; also High Speed Broadcast 16 recorder/reproducer, 738, Oct.
- P.A.G. Power Ltd., Speedcharge Battery Belts, 742, Oct.
- Panasonic, videocassette recorders, Omnivision II line, 855, Dec.
- , vidicon camera, WV1000A and New-vicon CCTV cameras, 848-852, Dec.
- Pelco Industries, AP-2500 Antenna Positioning System, 264, Apr.
- Peterson Enterprises, Inc., frame-count cueing system, 481, July
- , illumination probe, 481, July
- , motor-driven film loop cabinets, 482, July
- Philips Audio Video Systems Corp., analog taped audio delay line, 484, July
- , Audiotracer, Model 3201, 556, Aug.
- , LDK 25 multicore studio, field camera, 728, Oct.
- , portable television camera, LDK 15L, 728, Oct.
- , 22-kw VHF lowband television transmitter, 736, Oct.
- N.V. Philips Gloeilampenfabrieken, television pattern generator, 860, Dec.
- Photomec, 2000 series film processors, 798, Nov.
- Photo Research Div. of Kollmorgen Corp., Spectra Photometer/Radiometer, Model 301, 809, Nov.
- PRC of America, super-8 1200-ft Plio-Magic plastic reel, 669, Sept.
- , two new film leaders, 481, July
- Rank Precision Industries, Rank Cintel MK III Flying Spot color telecine, 362, May
- Rank Strand Electric, Duet packaged memory lighting control system, 867, Dec.
- RCA Broadcast Systems, automation accessory for the TCR-100 cartridge recorder, 736, Oct.
- , digital video frame synchronizer, TFS-121, 730, Oct.
- , TH-100 videotape recorder, 658, Sept.
- , time-code editing system for TR-600 videotape recorders, 734, Oct.
- , TK-47 television camera, 656, Sept.
- , TK-760 studio field camera, improved, 728, Oct.
- , TKP-46 Portable Production Camera, 848, Dec.
- RCA Consumer Electronics, ChanneLock tuning system, 738, Oct.
- , SelectaVision, expanded line, 852, Dec.
- RCA Corp., dual magnetic reproducer system, PM 85 SL, 198, Mar.
- , SelectaVision, VCT400, 666, Sept.
- , SelectaVision videocassette recorder, 66, Jan.
- RCA Photophone Systems, dual magnetic reproducer, PM 85SL, 366, May
- Research Technology Inc., A-M-M-S (Automated Media Management Systems), 425, June
- , Edette film viewer, 482, July
- , Omega film care system, 482, July
- , Retec film storage system, 486, July
- Reticon Corp., tunable filter on a chip, 734, Oct.
- Rockwell International, Electronic Systems Group, ADAP automatic digital audio processor, 485, July
- RTS Systems, preamp/limiter, 70, Jan.
- Sachtler GmbH, fluid head Standard 7+7, 858, Dec.
- Sankyo Seiki (America), Stereo-800, super-8 sound projector, 484, July
- , super-8 camera, ES-88XL, 553, Aug.
- , super-8 camera, ES-44XL VAF, 553, Aug.
- , super-8 camera, LXL-225, 554, Aug.
- , super-8 camera, Sound XL 800S, 867, Dec.
- , super-8 camera, XL 61-200, 553, Aug.
- Schneider Corp. of America, AnimeX anamorphic projection lens, 667, Sept.
- Sharp Electronics Corp., closed-circuit color camera, XC-300U, 263, Apr.
- , projection television system, 802, Nov.
- , special effects generator, XEG-3000, 662, Sept.
- , sync generator system (XSG-370), 862, Dec.
- , three-tube ENG color television camera, 730, Oct.
- Simon & Associates, dissolve unit for slides, Entree 7600A, 667, Sept.
- Sira Institute Ltd., television and lens testing set, 860, Dec.
- Skotell Corp., time-code generator, 424, June
- , time-code reader, Model TCR-80, 806, Nov.
- Eric Small & Associates, Telesis, control of AM, FM and TV transmitters, 369, May
- , Telesis, transmitter control system, 425, June
- Sonar Radio Corp., Videoraser, 736, Oct.
- Spindler & Sauppe, Inc., Director 24, audiovisual memory programming system, 667, Sept.
- , Spectrum 32 television slide projector, 858, Dec.
- Super8 Sound, MKM editing table, new version, 369, May
- Telecommunications Industries Ltd., Porta-Pattern chart carrier, 658, Sept.
- Telegen Inc., Crisp-Matic image enhancer, PAL/SECAM version, 68, Jan.
- , YFI comb filter separator, 807, Nov.
- , YFI record booster, 862, Dec.
- TeleMaton, Inc., status light display, SM-1030, 69, Jan.
- , TMM-205 Multiplexer, 264, Apr.
- Television Equipment Associates, headset tester, 665, Sept.
- , unified noise weighting filter, 424, June
- TeleVue Optics, Inc., television projection lenses, 69, Jan.

The Great American Market, Fresnel lens spotlight, 745, Oct.
 ———, Greatmark Lights, 744, Oct.
 ———, patterns for projection in spotlights, 202, Mar.
 3M Company, digital effects generator, 802, Nov.
 ———, extended-play U-Matic cassettes, 192, Mar.
 ———, horizontal enhancement module, 864, Dec.
 ———, 1-in master broadcast videotape, 552, Aug.
 ———, studio production switcher, Model 9000, 550, Aug.
 ———, television character generator, 422, June
 ———, television image enhancer/decoder, 422, June
 Tiffen Manufacturing Corp., slide sync audio recorder/player, AV7202, 369, May
 ———, sync dissolve programmer, SD70, 557, Aug.
 Treise Engineering Inc., closed loop system, Model 22, 810, Nov.
 Tritex Telecommunications, Inc., low-pass filters, series 1000, 730, Oct.
 Tweed Audio, audio mixing console, 555, Aug.
 Twenty-Fourth Frame, pitch correction system, 124, Feb.
 Ultra Audio Pixtec, NTSC studio vectorscope, 663, Sept.
 ———, NTSC sync generator, 860-862, Dec.
 Ultra Audio Products, audio console, 866, Dec.
 Unitel, Scriptel P, character generator, 802, Nov.
 Unity Power Systems Northeast, power systems transient protectors, 126, Feb.
 Variable Speech Control Co., module for speech compression, pitch correction, 867, Dec.
 Video Automation Systems, Inc., anti-piracy videocassette program protection system, 552, Aug.
 Video Components, Inc., Eclipsor signal processor, 264, Apr.
 Videokalos Studios, color synthesizer, 661, Sept.
 Videomax, Magemite, tip material, 807, Nov.
 Videomedia audiovisual kit, 732, Oct.
 ———, modification package for Panasonic ¾-in editing controllers, 804, Nov.
 ———, production audio mixer, model S6/2, 664, Sept.
 W. Vinten Ltd., OB camera crane, 418, June
 ———, TriTrack tracking base, 800, Nov.
 Visual Information Institute, Signal Source 10, set of signals for display setup, 550, Aug.
 ———, television test instruments, 556, Aug.
 Visual Instrumentation Corp., Selecta-Frame 5, 16mm analysis projector, 806, Nov.
 Visual Methods, Inc., pinhole lens, 852, Dec.
 VIZ Mfg. Co., general purpose VOM, 745, Oct.
 ———, WD-752A frequency counter, WD-751A digital VOM, price reductions, 738, Oct.
 Westrex, Nuoptix FR-1 system for recording optical soundtracks on photographic film, 364, May
 Wide Range Electronics Corp., magnetic film sound recorders, reproduces, series 3600, 664, Sept.
 Winsted Corp., cabinets for tape and film storage, 369, May
 ———, video console, 368, May
 Zei-Mark Corp., broadcast optical multiplexer, Model 750, 734, Oct.

NEW PRODUCTS AND DEVELOPMENTS

(Arranged by **Subject**; see also listing by **Company** above)

CAMERAS (including high-speed), attachments and related equipment (see also TELEVISION)

Animation camera, Neilson-Hordell Ltd., 858, Dec.
 Arriflex 16SR combined with Nagra SNN, Victor Duncan, Inc., 122, Feb.
 Battery sequencer, Frezzolini Electronics Inc., 486, July
 Body Mount, handheld camera stabilization system, Continental Camera Systems, 194, Mar.

Color Hip Switcher II editing device, Adwar Video Corp., 423, June
 Director's Viewfinder, Alan Gordon Enterprises Inc., 416, June
 Fast Charger, BC-77, Frezzolini Electronics Inc., 264, Apr.
 Finder Extender for Arri 16SR cameras, Arri Corp., 416, June
 Fluid head Standard 7+7, Sachtler GmbH, 858, Dec.
 Frezzi Belt Battery Pack, F-12-77, Frezzolini Electronics Inc., 554, Aug.
 Fujica P-2, 8mm camera, Fuji Photo Film, U.S.A., 866, Dec.
 GSMO 16mm mini-camera, Cinema Products Corp., 263, Apr.
 Gyro Stabilizer systems, Ken-Lab, Inc., 122, Feb.
 Helmet camera, P.O.V. 35mm, Continental Camera Systems, 192, Mar.
 Moviecam 3 camera, Neilson-Hordell Ltd., 796, Nov.
 Nose Cone Camera Position, Continental Camera Systems, 416, June
 Pathé Report electronic cameras, Karl Heitz, 68, Jan.
 Reflex cameras, CP-16R and CP-16R/A, improvements, Cinema Products Corp., 855-858, Dec.
 Servo zoom drive motor, Arriflex Corp., 742, Oct.
 Steadicam/Arri 35BL modification package, Cinema Products Corp., 263, Apr.
 Steadicam, conversion kit, Cinema Products Corp., 263, Apr.
 Super-8 camera, Bolex 5122, Ehrenreich Photo-Optical Industries, 122, Feb.
 Super-8 camera, Bolex 625-XL, Ehrenreich Photo-Optical Industries, Inc., 196, Mar.
 Super-8 camera, ES-88XL, Sankyo Seiki (America), 553, Aug.
 Super-8 camera, ES-44XL VAF, Sankyo Seiki (America), 553, Aug.
 Super-8 camera, LXL-225, Sankyo Seiki (America), 554, Aug.
 Super-8 camera, SoundStar, Bell & Howell • Mamiya Co., 554, Aug.
 Super-8 camera, Sound XL 800S, Sankyo Seiki (America) Inc., 867, Dec.
 Super-8 camera, 2144XL, Bell & Howell • Mamiya Co., 553, Aug.
 Super-8 camera, XL 61-200, Sankyo Seiki (America), 553, Aug.
 Super-8 camera, 2146XL, Bell & Howell • Mamiya Co., 196, Mar.
 Super-8 cameras, Models 2123XL and 2103XL, Bell & Howell • Mamiya Co., 198, Mar.
 Sync generator system, Sharp Electronics Corp., 862, Dec.
 Tripod spreader, Miller Professional Equipment, 658, Sept.
 Tripod with fluid head, Ehrenreich Photo-Optical Industries, 808, Nov.
 Video coupling, monitoring system for Arriflex 16SR, Arri Corp. 416, June

FILM AND TAPE

Agfachrome super-8 film, Agfa-Gevaert (Braun North America dist.), 192, Mar.
 Beridox tape for ¾-in U-Matic videocassettes, Fuji Photo Film U.S.A., 68, Jan.
 Cabinets for tape and film storage, Winsted Corp., 369, May
 Microfilm products, Eastman Kodak Co., 126, Feb.
 MRX-716 1-in videotape, Memorex Corp., 659, Sept.
 Posi-Trol positive control sprockets, LaVezzi Machine Works, Inc., 742, Oct.
 Retec film storage system, Research Technology Inc., 486, July

GENERAL

Automated Media Management Systems, Research Technology Inc., 425, June
 Chart carrier, Telecommunications Industries, Ltd., 658, Sept.
 Crimp connector kits, Comprehensive Video Supply Corp., 808, Nov.
 Frezzi Belt Battery Pack, Model F-12-77, Frezzolini Electronics Inc., 742, Oct.

IDI Data Slate I, Image Devices Inc., 742, Oct.
 Plio-Magic plastic reel, super-8, PRC of America, 669, Sept.
 Speedcharge Battery Belts, P.A.G. Power Ltd., 742, Oct.
 Vibra-Jet, Chemtronics Inc., 266, Apr.

LABORATORY PRACTICE (printing, processing, editing, etc.)

CL-100 Cut/Lap Transition Programmer, Convergence Corp., 660, Sept.
 Edette, film viewer, Research Technology, Inc., 482, July
 Electro-Lite silver recovery system, Derek, Inc., 425, June
 Electronic counter, KLM Associates, 557, Aug.
 Film cleaning machine, LC-500, Kinetronics Corp., 556, Aug.
 Film loop cabinets, Peterson Enterprises, 482, July
 Film processors, Advanced Colormaster, Houston Fearless, 798, Nov.
 Film processors, compact 2000 series, Photomec Ltd., 798, Nov.
 Frame count cueing system, Peterson Enterprises, Inc., 481, July
 Joystick editing control system, ECS-IBVU, Convergence Corp., 418, June
 MKM/Super8 Sound editing table, new version, Super8 Sound Inc., 369, May
 Modification package for Panasonic ¼-in editing controllers, 805, Videomedia, Nov.
 Neutaper splicer, Neumade Products Corp., 204, Mar.
 Neuvator II, automatic 16mm film cleaner, Neumade Products Corp., 71, Jan.
 Oldelft electronic counter, KLM Associates, 804, Nov.
 Omega film care system, Research Technology, Inc., 482, July
 Optical Crown system, KLM Associates, 804, Nov.
 Printer control tape readers, Carter Equipment Co., 425, June
 Superstick editing control systems, ECS-100 series, Convergence Corp., 482, July
 Time-code reader system TCR-100, option for ECS-100 Superstick editing systems, Convergence Corp., 804, Nov.
 Ultima film processors, Allen Products Co., 481, July

LENSES, OPTICS

Angenieux zoom lens, Karl Heitz, 70, Jan.
 Lenses, 16mm, ultra-high-speed, Cinema Products Corp., 548, Aug.
 Monocular type light meter, Fotomatic Corp., 204, Mar.
 Navitar zoom lens, D.O. Industries, 865-866, Dec.
 Projection lens, Jos. Schneider & Co., 667, Sept.
 Relay lens, Continental Camera Systems, 196, Mar.
 Tele-Athenar II lenses, Century Precision Cine/Optics, 548, Aug.
 Zoom lens for slide projectors, D. O. Industries, 808, Nov.
 Zoom lens, variable prime, Angenieux Corp. of America, 796, Nov.

LIGHTING

Duet packaged memory lighting control system. Rank Strand Electric, 867, Dec.
 Fresnel lens spotlight, The Great American Market, 745, Oct.
 Greatmark Lights, The Great American Market, 744, Oct.
 Multipurpose luminaire, Berkey Colortran U.K., 422, June
 Omni-Light focusing spotlight, Lowel-Light Mfg., Inc., 554, Aug.
 Patterns for projection in spotlights, The Great American Market, 202, Mar.
 Reporter Lighting Kit, LTM Corp. of America, 554, Aug.
 Softlite, 4000-W, Berkey Colortran, Inc., 868, Dec.
 Status light display, SM-1030, TeleMation, Inc., 69, Jan.

PROJECTORS, PROJECTION EQUIPMENT

Automatic film rewind table, Mark III, Acmade International, 809, Nov.
C.A.T. complete automated theater, Optical Radiation Corp., 367, May
Closed loop system, Model 22, Treise Engineering, Inc., 810, Nov.
Dissolve unit, Entre 7600A, Simon & Associates, 867-868, Dec.
Easy-Load 16mm projectors, Kalart Victor Corp., 418, June
Film leaders, PRC of America, 481, July
Film sprockets, LaVezzi Machine Works, 867-868, Dec.
Filmosonic super-8 projectors, Bell & Howell • Mamiya Co., 557, Aug.
Microprocessor-based audiovisual multi-image memory programming system, Director 24, Spindler & Sappe, Inc., 667, Sept.
Multiplexer, TMM-205, TeleMation, 264, Apr.
Navitar slide projection lenses, D. O. Industries, 745, Oct.
Projector lamp, Multi-Mirror 50-h EJJ, General Electric, 669, Sept.
Projector-protector film cleaner, Christie Electric Corp., 485, July
Selecta-Frame 5, 16mm analysis projector, Visual Instrumentation Corp., 806, Nov.
Super-8 projector, Beaulieu 708 EL, Bell & Howell • Mamiya Co., 484, July
Super-8 projector, Lumina II, Bell & Howell • Mamiya Co., 200, Mar.
Super-8 projector, Stereo-800, Sankyo Seiki (America), 484, July
Super-8 sound projectors, Eumig (U.S.A.), 666, Sept.
Vu-Graph II overhead projector, Charles Beseler Co., 124, Feb.
Xenographic 500FM xenon slide projection system, Optical Radiation Corp., 667, Sept.

SOUND

Acoustic analyzer, Model 500, Inovonics, Inc., 266, Apr.
Add-on tape noise reduction system for Nagra IV-S portable stereo recorders, dbx, Inc., 124, Feb.
Amplifier for driving headphones, Edcor, 665, Sept.
Analog tapped audio delay line, Neutrik AD-4, Philips Audio Video Systems Corp., 484, July
An-Eck-Oic chambers, acoustic studies, Eckel Industries, 484, July
Audio analysis system, IE-30A, Ivie Electronics, 202, Mar.
Audio console, Constellation series, CCA Electronics Corp., 664, Sept.
Audio console, MS-105 Mixmaster, Ultra Audio Products, 866, Dec.
Audio mixer, Model S6/2, VIF International, 664, Sept.
Audio mixing console, Tweed Audio, 555, Aug.
Audio processor, AM, FM, television, MSP-100, Harris Corp., 665, Sept.
Audio recorder, Model MX-5050-B, Otari Corp., 740, Oct.
Audio time delay systems, Altec Corp., 367, May
Audiotracer, Model 3201, Philips Audio Video Systems Corp., 556, Aug.
Automatic Graphic Equaliser, Type 1500, Audio Developments International, 368, May
Bogen magnetic heads, MM Editing Systems, Inc., 200, Mar.
Bolex sound mixing console, Ehrenreich Photo-Optical Industries, 368, May
Calrec sound field microphone, CM4050, Edcor, 483, July
Digital audio processor, Rockwell International, Electronic Systems Group, 485, July
Galaxy stereo-optical sound system package, Eprad, Inc., 804, Nov.
Headset tester, Television Equipment Associates, 665, Sept.
Magnetic film sound recorders, reproducers, Wide Range Electronics Corp., 664, Sept.
Magnetic sound film recorders/reproducers, Magnasync/Moviola Corp., 800, Nov.
Mini-Rack, 16mm magnetic film audio recorder, P.A.G. Films Ltd., 738, Oct.

Mixer/power amplifier, TCA 150 Tech-Craft, Bogen Division/Lear Siegler, Inc., 485, July
Modular microphone, System C, Electro-Voice, Inc., 124, Feb.
Module for speech compression, Model M-8, 867, Dec.
Monitor loudspeaker, PM450, Chartwell Electro-Acoustics Ltd., 198, Mar.
Mono/stereo audio console, M90, Harris Corp., 420, June
Multitrack audio recording consoles, Neve Electronics International Ltd., 740, Oct.
Nuoptix FR-1 system for recording optical soundtracks on film, Westrex, 364, May
Pitch correction system, Twenty-Fourth Frame, 124, Feb.
Porta-Series microphone floor stands, Atlas Sound, 740, Oct.
Preamp/limiter, RTS 1400, RTS Systems, 70, Jan.
Remote control card, microprocessor-controlled, Eventide Clockworks, Inc., 555, Aug.
Shot-gun microphone, Model SGM-2, Comprehensive Video Supply Corp., 557, Aug.
Shotgun microphones, Hammond Industries Inc., 740, Oct.
Slide Sync Audio recorder/player, Tiffin Manufacturing Corp., 369, May
Studio boom, American Trading and Production Corp., 555, Aug.
Wireless microphone receiver, ST-3B, Edcor, 665, Sept.
Wireless microphone transmitter/receiver, Encore Pro-1/2 system, Edcor, 123, Feb.

TELEVISION (cameras, projectors, tubes, special applications, videotape and recorders, display systems, cassettes, videodisks, editing, etc.)

Antenna positioning system for ENG, AP-2500, Pelco Industries Inc., 264, Apr.
Anti-piracy videocassette program protection system, Video Automation Systems Inc., 552, Aug.
Audio and video switching modules, Series 5900, Dynair Electronics, Inc., 364, May
Audio video switcher, AVS-100 Convergence Corp., 808, Nov.
Audiovisual kit, Videomedia, 732, Oct.
Automatic video equalizer, 2504N, Matthey Printed Products Ltd., 730, Oct.
Automation accessory for the TCR-100 cartridge recorder, RCA Broadcast Systems, 736, Oct.
Chroma III, color signal system for slow-motion disc recorders, Eigen, 660, Sept.
Chyron IV, graphics and titling system, Chyron Corp., 661, Sept.
Closed-circuit color television camera, XC-300U, Sharp Electronics Corp., 263, Apr.
Color disc recorder, Eigen Video, 66, Jan.
Color monitor, Barco Electronic, 662, Sept.
Color sync generator, Model SY 5990A, companion genlock, Dynair Electronics, Inc., 192, Mar.
Color television camera, TC-50, Harris Corp., 548, Aug.
Colour Synthesiser, Videokalos Studios, 661, Sept.
Compressed video system, Model 260B, Colorado Video, Inc., 552, Aug.
CPV circularly polarized television antenna, Harris Corp., 734, Oct.
Crisp-Matic image enhancer, PAL/SECAM version, Telegen, 68, Jan.
CRT display module, Hewlett-Packard, 483, July
Digital effects generator, Model 5130, 3M Company, 802, Nov.
Digital time-base corrector, CVS-516, Consolidated Video Systems, 68, Jan.
Digital time-base corrector, TBC-2, Ampex Corp., 734, Oct.
Digital video frame synchronizer, TFS-121, Sharp Electronics Corp., 730, Oct.
Digital video recording system, Ampex Corp., 424, June
Dual magnetic reproducer system, PM-85SL, RCA Corp., 198, Mar.
Eclipsor signal processor, Video Components, Inc., 264, Apr.
Electrostatic Facsimile Receiver, M-136, Muirhead Inc., 202, Mar.
ENG/EFP camera, MNC-71CP, Cinema Products Corp., 190, Mar.
Environmental color television camera, Model 1420, Cohu, Inc., 848, Dec.
EPIC editor, Consolidated Video Systems, 732, Oct.
Flying-spot color telecine, MK III, Rank Precision Industries, 362, May
Frame Synchronizer, Model VW-1, ADDA Corp., 422, June
Frequency counter, MAX-100, Continental Specialties Corp., 369, May
FS-15 FE device to eliminate expanded blanking, NEC America, 855, Dec.
Helical videotape recorder, VPR-2, Ampex Corp., 732, Oct.
Horizontal enhancement module, 3M Company, 864, Dec.
Image Enhancer/Noise Reducer, CVS 310, Consolidated Video Systems, 862, Dec.
Insert recorder/reproducer, Series 3000, Magnasync/Moviola Corp., 555, Aug.
Isocon television camera system, Cohu, Inc., 800, Nov.; 848, Dec.
JVC Vidstar VHS videocassette system, Media Concepts, Inc., 552, Aug.
Laser-recording material for videodisks and digital data storage, Drexler Technology Corp., 864, Dec.
L-C delay line, Allen Avionics, Inc., 864, Dec.
L-C filters, Allen Avionics, 552, Aug.
Low-Pass filters, series 1000, Tritex Telecommunications, Inc., 730, Oct.
Magamite, long-life tip material, Videomax, 807, Nov.
Mark IX color television camera system, Marconi Electronics, Inc., 656, Sept.
Master broadcast videotape, 3M Company, 552, Aug.
Microwave receiver, earth terminals, Farinon Electric, 483, July
Monochrome video monitors, Lenco, Inc., 862, Dec.
Multicore studio/field camera, LDK 25, Philips Broadcast Equipment, 728, Oct.
OB van, Robert Bosch GmbH, 194, Mar.
I-in Plumbicon, Amperex Electronic Corp., 548, Aug.
Optical multiplexer, Model 750, Zei-Mark Corp., 734, Oct.
Pedestal, Innovative Television Equipment, 658, Sept.
Phasemaster rotary phase converter, Kay Industries, 426, June
Portable broadcast camera, BCC-14, Ampex Corp., 798, Nov.
Production switcher, Duca-Richardson model, Ampex Corp., 862, Dec.
Program switcher, Model 7400/A, Dynasciences, 68, Jan.
Projection television kit, Model Q-12, Miami Flock Equipment Co., 484, July
Projection television system, Sharp Electronics Corp., 802, Nov.
Reader-character unit, Gray Engineering Laboratories, 732, Oct.
Remote control system, American Laser Systems, 852-855, Dec.
Right-angle pinhole lens, Visual Methods, Inc., 852, Dec.
Routing switchers, 8500 series, Dynasciences, 424, June
Scriptel P, microprocessor-controlled digital character generator, Unitel, 802, Nov.
SelectaVision products, RCA Consumer Electronics, 852, Dec.
SelectaVision videocassette recorder, RCA Corp., 66, Jan.; 666, Sept.
Signal Corrector, Microtime, Inc., 264, Apr.
Signal Source 10, Visual Information Institute, 550, Aug.
Slow-motion machine, SLO/MO-1, Echo Science Corp., 68, Jan.
Special effects generator, XEG-3000, Sharp Electronics Corp., 662, Sept.
Spectrum 32 Selectroslide television slide projector, Spindler & Sappe, Inc., 858, Dec.
SqueezeZoom, Vital Industries, 422, June
Studio production switcher, Model 9000, 3M Company, 550, Aug.

Sync Dissolve Programmer, Model SD70, Tiffen Manufacturing Co., 557, Aug.
 Sync generator, Ultra Audio Pixtec, 860-862, Dec.
 Telecue Monitor Prompting System, Listec Television Equipment Corp., 420, June
 Telesis, system for control of television transmitters, Eric Small & Associates, 369, May
 Television camera, LDK 15L, Philips Broadcast Equipment Corp., 728, Oct.
 Television camera, TK-760, improved, RCA Broadcast Systems, 728, Oct.
 Television camera, unattended operation, Model 2810 B, Cohu, Inc., 848, Dec.
 Television character generator, Model D-3016, 3M Company, 422, June
 Television display system, GMR-27, Grinnell Systems Corp., 66, Jan.
 Television image enhancer/decoder, 3M Company, 422, June
 Television monitors, Robert Bosch, 190, Mar.
 Television projection lenses, TeleVue Optics, 69, Jan.
 Television test instruments, Visual Information Institute, 556, Aug.
 Television transmission set, American Laser Systems, 662, Sept.
 TH-100, Type C helical-scan videotape recorder, RCA Broadcast Systems, 658, Sept.
 Three-tube ENG camera, Sharp Electronics Corp., 730, Oct.
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	R1977			R1976	
Scanning Beam	RP 69-1977	Aug. 1977	Spools, Cartridge	C98.13-1975	July 1975
Sound Focusing	RP 64-1976	Aug. 1976	Labels	RP 60-1975	May 1975
Theater Test	RP 35-1969	June 1969	Tape Dimensions	C98.1-1978	Aug. 1978
	R1977		Tape Vacuum Guide	RP 11-1968	Aug. 1968
Magnetic			Test Tapes		
super 8 Azimuth	RP 61-1975	May 1976	Multifrequency		
Flutter	RP 62-1975	May 1976	15 in/s	C98.8-1977	Jan. 1978
16mm Azimuth Alignment	RP 78-1978	Aug. 1978	7.5 in/s	C98.11-1977	Jan. 1978
Flutter	RP 76-1977	July 1978	Video Frequency, 15 in/s, LBM	RP 29-1968	Sept. 1968
Multifrequency	RP 90	Dec. 1978 ¹		R1974	
35mm Azimuth Alignment	RP 77-1978	Aug. 1978	15 in/s, HB	RP 43-1975	June 1976
4-Track	RP 80-1977	June 1978	7.5 in/s, HB	RP 44-1975	June 1976
Flutter	RP 75-1977	July 1978	VIR Signal	RP 57-1974	Jan. 1975
4-Track	RP 79-1977	June 1978			

<i>Subject</i>	<i>No.</i>	<i>Journal</i>	<i>Subject</i>	<i>No.</i>	<i>Journal</i>
MISCELLANEOUS					
Cartridge, Super 8 Camera			Lens Mounts		
NotchesPH22.166-1977	Nov.	1977	16mm & 8mm CamerasPH22.76-1960	Feb.	1960
Silent			R1971		
Model I			Lubrication, 16 & 8mm PrintsRP 48-1973	Mar.	1973
Aperture, Pressure Pad,			Nomenclature		
Film PositionPH22.159.2-1968	May	1968	Cartridge/CassetteRP 58-1974	Jan.	1975
R1973			FilmPH22.56-1978	Nov.	1978
Camera Run Length, Cut-			Notching, Scene Change, 35mmRP 53-1974	July	1974
Out, NotchesPH22.159.5-1974	Mar.	1975	Photometric Performance		
Cartridge, Cartridge-			Incandescent Lighting UnitsRP 4-1958	Sept.	1958
Camera FitPH22.159.1-1968	May	1968	R1977		
R1973	Dec.	1976 ¹	Raw Stock IdentificationPH22.184-1973	Nov.	1973
Pressure Pad Flatness,			Container EdgeECR 2	Mar.	1978 ¹
Aperture ProfilePH22.159.3-1975	Oct.	1975	Reels		
Take-Up Core DrivePH22.159.4-1968	May	1968	regular 8PH22.23-1975	Apr.	1976
R1973	Dec.	1976 ¹	super 8PH22.160-1977	July	1977
Model II			16mmPH22.11-1975	Mar.	1976
Cartridge, Cartridge-Camera			35mmPH22.4-1976	Apr.	1977
Fit, CorePH22.190-1976	Sept.	1976	Large CapacityPH22.193-1976	Apr.	1977
Film Length, Camera RunPH22.188-1976	Sept.	1976	ShippingPH22.192-1976	Apr.	1977
PositionPH22.189-1976	Sept.	1976	70/35mmPH22.147-1976	Apr.	1977
Speed, Color Balance,			Reversal Color Film SpeedPH22.146-1973	Aug.	1973
IdentificationPH22.191-1976	Sept.	1976	Safety FilmPH22.31-1967	Feb.	1968
Model I			R1973		
Aperture, Pressure Pad,			Screen Luminance		
Film PositionPH22.198	Oct.	1978 ¹	Drive-in TheatersRP 12-1972	Dec.	1972
Camera-Run Length, Perforation			Indoor TheatersPH22.196-1978	Aug.	1978
Cut-Out, End-of-Run NotchPH22.200	Oct.	1978 ¹	Review Rooms, 8mmRP 51-1974	May	1974
Cartridge, Cartridge-Camera			Slides & Film StripsRP 59-1975	May	1975
Interface, Core DrivePH22.197	Oct.	1978 ¹	Sensitometric StripsRP 14-1970	Apr.	1970
Pressure Pad Flatness,			R1976		
Aperture ProfilePH22.199	Oct.	1978 ¹	Spindles		
Cores for Raw Stock FilmPH22.37-1975	Oct.	1975	super 8 projectorRP 50-1974	May	1974
Density Measurements			16mm cameraRP 24-1967	July	1967
Calibration of DensitometersRP 15-1970	Apr.	1970	R1978		
R1976			16mm projectorRP 34-1968	Dec.	1968
Spectral DiffusePH22.117-1968	Mar.	1969	R1978		
R1973			35mm rewindRP 21-1976	May	1977
Edge Numbering, 16mm FilmPH22.83-1972	Dec.	1972	Splices		
R1978			16 & 8mm		
16mm Release PrintsRP 54-1974	July	1974	Laboratory typePH22.77-1975	Apr.	1976
Emulsion Orientation			Projection typePH22.24-1975	Apr.	1976
Print WindingRP 39-1970	Apr.	1970	super 8		
R1976			CementedPH22.172.1-1969	Mar.	1970
Raw Stock WindingPH22.75-1975	Mar.	1976	R1975		
Super 8 Release PrintsRP 42-1970	Dec.	1970	TapePH22.172.2-1976	Dec.	1976
R1976			35mmPH22.178-1971	June	1971
Film Length, 8mm Camera Spool			Dec. 1978 ³		
(25 ft Capacity)PH22.143-1975	Feb.	1976	70mm reinforcementRP 23-1967	July	1967
Graph PaperRP 22-1966	Dec.	1966	R1972	Dec.	1978 ¹
R1976			Spools		
Lamps, Projector			8mm, 25-ft capacityPH22.107-1975	Feb.	1976
8mm Four-pin,			Double 8, 100-ft capacityPH22.173-1975	Feb.	1976
Condenser ReflectorPH22.187-1974	Feb.	1975 ⁴	16mm, daylight-loading,		
Leaders			50- to 400-ft capacityPH22.174-1975	Feb.	1976
Preprint, 8mm.RP 49-1973	Mar.	1973	Sprockets		
UniversalPH22.55-1975	Mar.	1976	regular 8RP 73-1977	Jan.	1978
Lenses			super 8RP 55-1974	Jan.	1975
Aperture CalibrationPH22.90-1964	June	1964	16mmRP 74-1977	Jan.	1978
R1977			35mmPH22.35-1962	May	1962
Focal Lengths,			R1976		
Markings, 35 & 70mmPH22.28-1976	Feb.	1977	Synchronization, sound-pictureRP 25-1968	Mar.	1968
Focus Scales, 16mm and 8mm			R1978		
CamerasPH22.74-1965	May	1965	Unsteadiness, High-Speed CameraRP 17-1964	May	1964
R1975			R1976		

R — Reaffirmed.

¹Proposed standard, practice or recommendation.

²Essential technical content is included in the early publication date. The later date lists editorial or nontechnical changes agreed to by SMPTE engineering committees and subsequently incorporated in a revision of the standard.

³Withdrawal notice.

⁴Transferred to ANSI Committee C78.

STANDARDS OF PARTICULAR INTEREST TO THE MOTION-PICTURE AND TELEVISION DISCIPLINES

ASTM E380-76/IEEE Std 268-1976, Metric Practice
 IEEE Std 100-1977, Dictionary of Electrical and Electronics Terms
 IEEE Std 193-1971, Weighted Peak Flutter of Sound Recording and Reproducing Equipment
 IEEE Std 202-1954 (R1976), Television: Methods of Measurement of Aspect Ratio and Geometric Distortion
 IEEE Std 205-1958 (R1976), Television: Measurement of Luminance Signal Levels
 IEEE Std 347-1972, Method of Measuring Recorded Flux of Magnetic Sound Records at Medium Wavelengths
 IES RP16-1967, Nomenclature and Definitions for Illuminating Engineering
 53 IRE 3.52/IEEE Std 152-1953, Volume Measurements of Electrical Speech and Program Waves
 C78.370-1975, Method for the Designation of Photo Lamps
 PH1.25-1976, Specifications for Safety Photographic Film
 PH1.29-1971 (R1977), Methods for Determining Curl of Photographic Film
 PH1.31-1973, Method for Determining the Brittleness of Photographic Film
 PH1.41-1976, Specifications for Photographic Film for Archival Records, Silver-Gelatin Type, on Polyester Base
 PH1.43-1975, Practice for Storage of Processed Safety Photographic Film
 PH2.1-1952 (R1976), Spectral Diffuse Densities of Three-Component Subtractive Color Films
 PH2.3-1972, Method for Determining the Activity or the Relative Photographic Effectiveness of Illuminants
 PH2.5-1972 (R1978), Method for Determining Speed of Photographic Negative Materials (Monochrome, Continuous-Tone)
 PH2.19-1975, Conditions for Diffuse and Doubly-Diffuse Transmission Measurements (Transmission Density)
 PH2.22-1971, Methods of Determining Safety Times of Photographic Darkroom Illumination
 PH2.25-1965 (R1976), Photographic Printing Density (Carbon Step Tablet Method)
 PH2.29-1967 (R1976), Simulated Daylight Source for Photographic Sensitometry
 PH2.33-1969 (R1976), Method for Determining the Resolving Power of Photographic Materials
 PH2.35-1969 (R1976), Simulated Incandescent Tungsten Sources for Photographic Sensitometry
 PH3.6-1952 (R1975), Tripod Connections for American Cameras, 1/4-inch-20 Thread
 PH3.7-1952 (R1975), Tripod Connections for Heavy-Duty or European Cameras, 3/8-inch-16 Thread with Adapter for 1/4-inch-20 Tripod Screws
 PH3.13-1970 (R1975), Focal Length Marking of Lenses
 PH3.17-1972 (R1978), Specifications for Photographic Optical Filter Sizes
 PH3.20-1975, Distance Scales for Focusing Camera Lenses
 PH3.22-1958 (R1971), Distribution of Illuminance Over the Field of a Photographic Objective or Projection Lens
 PH3.25-1971, Nomenclature for Parts of a Photographic Objective Lens
 PH3.29-1971, Methods of Designating and Measuring Apertures and Related Quantities Pertaining to Photographic Lenses
 PH3.33-1973, Designation of the Apertures of Photographic Lenses
 PH3.35-1977, Methods of Designating and Measuring Focal Lengths and Focal Distances of Photographic Lenses
 PH3.37-1977, Method for the Determination of Color Contribution of Photographic Lenses
 PH3.44-1970 (R1975), Values for Color Contribution of Photographic Lenses
 PH3.49-1971, General-Purpose Photographic Exposure Meters (Photoelectric Type)
 PH3.50-1972, Dimensions for Resolution Test Target for Photographic Optics
 PH3.63-1974, Method for Determining the Photographic Resolving Power of Photographic Lenses
 PH5.6-1968 (R1974), Dimensions for 100-Foot Reels for Processed 16mm and 35mm Microfilm
 PH7.1-1971, (R1976), Specifications for 35mm Single-Frame Filmstrips

STANDARDS OF GENERAL INTEREST

PH1.10-1976, Dimensions for Unperforated and Perforated Photographic Film in Rolls, Including Leaders and Trailers, for Aerial and Related Uses
 PH1.14-1976, Dimensions for 135-Size Film Magazines and Film for 135-Size Still-Picture Cameras
 PH1.28-1976, Specifications for Photographic Film for Archival Records, Silver-Gelatin Type, on Cellulose Ester Base
 PH1.32-1973, Method for Determining the Dimensional Change Characteristics of Photographic Films and Papers
 PH1.33-1972, Dimensions for 16mm 100-Foot, 16mm 200-Foot, 35mm 100-Foot and 70mm 100-Foot Spools for Recording Instruments and for Microfilm and Still-Picture Cameras
 PH1.37-1977, Methods for Determining the Scratch Resistance of Processed Photographic Film
 PH1.42-1969 (R1975), Method for Comparing Color Stabilities of Photographs
 PH2.4-1965 (R1971), Method for Determining Exposure Guide Numbers for Photographic Lamps
 PH2.7-1973, Photographic Exposure Guide
 PH2.15-1964 (R1976), Automatic Exposure Control for Cameras
 PH2.17-1977, Annular 45° : 0° (or 0° : 45°) Optical Reflection Measurements (Reflection Density)
 PH2.21-1972, Sensitometric Exposure and Evaluation Method for Determining Speed of Color Reversal Films for Still Photography
 PH2.27-1965 (R1971), Method for Determining the Speed of Color Negative Films for Still Photography
 PH2.31-1969 (R1976), Direct Viewing of Photographic Color Transparencies

